

July 09, 2020



U.S. Department  
of Transportation

East Building, PHH-30  
1200 New Jersey Avenue S.E.  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 20707  
(FIRST REVISION)

**EXPIRATION DATE: 2024-06-30**

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Sharpville Container Corporation  
Sharpville, PA
2. PURPOSE AND LIMITATIONS:
  - a. This special permit authorizes the manufacture, mark, sale and use of non-DOT specification stainless steel cylinders conforming to all regulations applicable to DOT specification 4BW, except as specified herein, for use in transporting hazardous materials authorized under this special permit. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
  - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, use as a component of a transport vehicle or other device, or other uses not associated with transportation in commerce.
  - c. In accordance with 49 CFR 107.107(a), party status may not be granted to a manufacturing permit. These packagings may be used in accordance with 49 CFR 173.22a.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

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4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.40(a), 173.302(a), and 173.304(a) in that a non-DOT specification cylinder is not authorized and § 178.61(b) in that the steel being used is not authorized, except as specified herein.
5. BASIS: This special permit is based on the application of Sharpville Container Corporation dated July 2, 2020, submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Methyl mercaptan	2.3	UN1064	Hazard Zone C
Those hazardous materials authorized to be transported in DOT Specification 4BW cylinders	As appropriate	As appropriate	As appropriate

The provisions of Column (9B) of the 49 CFR 172.101 Hazardous Materials Table apply to shipments aboard aircraft under the terms of this special permit.

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Packaging prescribed is a non-DOT specification stainless steel cylinder that is designed and manufactured in accordance with Drawing # AQ080170-C on file with the Office of Hazardous Materials Safety Approvals and Permits (OHMSAPD) and conforms to the requirements for DOT 4BW specification cylinders (§§ 178.35 and 178.61), except as follows:

§ 178.35(b) *Inspections and analyses.*

(1) Inspections and verifications must be performed by a third party. The third-party inspector must either be a National Board Authorized Inspector or an inspector employed by a DOT Authorized Inspection Agency.

(2) \* \* \*

§ 178.35(f) *Markings.*

(1) Marking on each cylinder stamped as follows:

(i) "DOT-SP 20707" must be marked in place of "DOT-4BW" followed by the service pressure.

\* \* \*

§ 178.61(b) *Authorized steel.* Material of construction must be SA240, Type 304, Type 304L, Type 316, or Type 316L stainless steel.

§ 178.61(d) *Manufacture.* Manufacturing, testing, and inspection of prescribed cylinders must be in accordance with the ASME Boiler & Pressure Vessel Code and as follows:

(1) \* \* \*

(2) As an alternative to § 178.61(d)(2), circumferential seam welds must be full penetration butt welds with full 100% radiograph inspection.

(3) and (4)\* \* \*

§ 178.61(g) *Heat treatment.* Cylinders need not be heat treated.

§ 178.61(i) *Hydrostatic test.*

(1), (2), (3), and (4) \* \* \*

(5) A one-time first article hydrostatic test to four times the marked service pressure without bursting is required for initial qualification of each cylinder design type. For the purposes of this test, cylinders of the same wall thickness, diameter, and material grade are of the same design type.

b. TESTING: Cylinders must be requalified in accordance with the requirements of § 180.209 applicable to DOT 4BW cylinders.

c. OPERATIONAL CONTROLS: The transport pressure must be limited to 50 psig.

8. SPECIAL PROVISIONS:

a. In accordance with the provisions of Paragraph (b) of § 173.22a, persons may use the packaging authorized by this special permit for the transportation of the hazardous materials specified in paragraph 6, only in conformance with the terms of this special permit.

b. A person who is not a holder of this special permit, but receives a package covered by this special permit, may reoffer it for transportation provided no modification or change is made to the package and it is offered for transportation in conformance with this special permit and the HMR.

c. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

d. Each packaging manufactured under the authority of this special permit must be either (1) marked with the name of the manufacturer and location (city and state) of the facility at which it is manufactured or (2) marked with a registration symbol designated by the Office of Hazardous Materials Safety Approvals and Permits Division for a specific manufacturing facility.

e. A current copy of this special permit must be maintained at each facility where the packaging is manufactured under this special permit. It must be made available to a DOT representative upon request.

f. Transportation of Division 2.1 (flammable gases) and Division 2.3 (toxic gases which are poisonous by inhalation) hazardous materials are not authorized aboard cargo vessel or aircraft unless specifically authorized in the Hazardous Materials Table (§ 172.101).

g. Transportation of oxygen by aircraft is only authorized when in accordance with § 175.501.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel, and cargo-only aircraft (see paragraphs 8.f. and g. for restrictions).

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10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel, aircraft, and motor vehicle used to transport packages covered by this special permit. The shipper must furnish a copy of this special permit to the air carrier before or at the time the shipment is tendered.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
  - o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
  - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49

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CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for William Schoonover  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at [http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm) Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

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